

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2002/0037258 A1 DODD et al.

Mar. 28, 2002 (43) Pub. Date:

- (54) DENTAL COMPOSITION FOR THE MINERAL OCCLUSION OF DENTINAL TUBULES IN SENSITIVE TEETH
- (76) Inventors: **GREGORY P. DODD**, HACKENSACK, NJ (US); ALAN A.

HALECKY, WEST ORANGE, NJ (US); KENNETH J. MARKOWITZ,

FANWOOD, NJ (US)

Correspondence Address: HANH T PHAM **BLOCK DRUG COMPANY INC** LAW DEPARTMENT PATENTS **257 CORNELISON AVENUE JERSEY CITY, NJ 073023198**

(*) Notice: This is a publication of a continued prosecution application (CPA) filed under 37

CFR 1.53(d).

09/419,514 (21) Appl. No.:

Oct. 18, 1999 (22) Filed:

Related U.S. Application Data

Non-provisional of provisional application No. 60/147,438, filed on Aug. 5, 1999.

Publication Classification

A61C 5/00

106/35; 433/228.1

(57)**ABSTRACT**

A dental product composition for the treatment of sensitive teeth contains an amorphous bioactive particulate material consisting essentially of calcium, silicon and oxygen in an amount sufficient to alleviate tooth sensitivity by causing the formation of calcium containing mineral within the dentinal tubules of sensitive teeth.